Author Index Vol. 539

Adami, P., Nasser, B. and Latruffe, N.
Interactions of the mitochondrial membrane rat liver D-3-hydroxybutyrate dehydrogenase with glass beads during adsorption chromatography. Relationships with the activation of the enzyme by phospholipids 539(1991)279

Agache, P., see Makki, S. 539(1991)443

Agnellini, D., see Pace, M. 539(1991)517

Aiach, M., see Toulon, P. 539(1991)493

Amati, D. and Li, Y.
Gas chromatographic determination of flumetralin in tobacco 539(1991)237

Andersson, L.
Recognition of phosphate groups by immobilized aluminium(III) ions 539(1991)327

Angal, S., see Deistung, J. 539(1991)485

Armstrong, D. W., Chang, C.-D. and Lee, S. H.
(*R*)- and (*S*)-Naphthylethylcarbamate-substituted β-cyclodextrin bonded stationary phases for the reversed-phase liquid chromatographic separation of enantiomers 539(1991)83

Aubert, M.-C., see Lee, C. R. 539(1991)55

Berland, Y. F., see Gallice, P. M. 539(1991)449

Bernad, P., see Blanco, C. G. 539(1991)157

Bernard, D., Moyret, C. and Maurizis, J. C.
Purification on poly(U)–Sepharose 4B of human breast cancer cell line T-47D DNA polymerases 539(1991)511

Birkenmeier, G., Vijayalakshmi, M. A., Stigbrand, T. and Kopperschläger, G.
Immobilized metal ion affinity partitioning, a method combining metal–protein interaction and partitioning of proteins in aqueous two-phase systems 539(1991)267

Blanco, C. G., Blanco, J., Bernad, P. and Guillén, M. D.
Capillary gas chromatographic and combined gas chromatography–mass spectrometric study of the volatile fraction of a coal tar pitch using OV-1701 stationary phase 539(1991)157

Blanco, J., see Blanco, C. G. 539(1991)157

Boschetti, E., see Hulak, I. 539(1991)355

Bros, A., see Sinniger, V. 539(1991)289

Bruns, R. E., see Faigle, J. F. 539(1991)123

Bush, E., see Hale, R. C. 539(1991)149

Cachia, C., Flamion, P.-J. and Schreiber, J.-P.
Purification of *E. coli* 30S ribosomal proteins by high-performance liquid chromatography under non-denaturing conditions 539(1991)343

Cadet, J., see Polverelli, M. 539(1991)373

Camoin, L., see Dandeu, J. P. 539(1991)475

Cardellina, II, J. H., see West, R. R. 539(1991)15

Carne, S., see Deistung, J. 539(1991)485

Catterall, C., see Deistung, J. 539(1991)485

Chadeuf, G., see Toulon, P. 539(1991)493

Champluvier, B. and Kula, M.-R.
Microfiltration membranes as pseudo-affinity adsorbents: modification and comparison with gel beads 539(1991)315

Chang, C.-D., see Armstrong, D. W. 539(1991)83

Chenais, B., Yapo, A., Lepoivre, M. and Tenu, J. P.
High-performance liquid chromatographic analysis of the unusual pathway of oxidation of L-arginine to citrulline and nitric oxide in mammalian cells 539(1991)433

Chervet, J.-P.
Troubleshooting LC systems: a comprehensive approach to troubleshooting LC equipment and separations (by J.W. Doland and L. R. Snyder) (Book Review) 539(1991)241

Chiancone, E. and Gattoni, M.
Selective extraction of native β-lactoglobulin from whey 539(1991)455

Chmelík, J.
Isoelectric focusing field-flow fractionation. Experimental study of the generation of pH gradient 539(1991)111

Cinquanta, S., see Pace, M. 539(1991)517

Costa-Ferreira, M. and Duarte, J. C.
Use of dye pseudo-affinity chromatography in the purification of homoserine dehydrogenase 539(1991)507

Crevat, A. D., see Gallice, P. M. 539(1991)449

Crews, T., see Garland, W. A. 539(1991)133

Dandeu, J. P., Rabillon, J., Guillaume, J. L., Camoin, L., Lux, M. and David, B.
Isolation and purification of cat albumin from cat serum by copper ion affinity chromatography: further analysis of its primary structure 539(1991)475

David, B., see Dandeu, J. P. 539(1991)475

Deistung, J., Forde, D. M., O'Connell, J. P., Proudfoot, K. A., Eaton, D., Willenbrock, F., Kingaby, R. O., Hughes, B., Angal, S., Catterall, C., Carne, S. and Emtage, J. S. Purification of a hybrid plasminogen activator protein 539(1991)485
Dellacherie, E., see Hubert, P. 539(1991)297
Duarte, J. C., see Costa-Ferreira, M. 539(1991)507
Duche, J.-C., see Herve, F. 539(1991)405
Eaton, D., see Deistung, J. 539(1991)485
Eisenthal, R., see Mayes, A. G. 539(1991)245
Elshourbagy, N., see Sweeney, P. J. 539(1991)501
Emtage, J. S., see Deistung, J. 539(1991)485
Faigle, J. F., Poppi, R. J., Scarminio, I. S. and Bruns, R. E. Multi-component principal component regression and partial least-squares analyses of overlapped chromatographic peaks 539(1991)123
Ferraz, C., Sri Widada, J. and Liautard, J.-P. Purification and characterization of recombinant tropomyosins 539(1991)465
Fischer, A. M., see Sinniger, V. 539(1991)289
Flamion, P.-J., see Cachia, C. 539(1991)343
Fleminger, G., see Solomon, B. 539(1991)335
Forde, D. M., see Deistung, J. 539(1991)485
Fujimura, N., see Nishi, H. 539(1991)71
Fukuda, E. K., see Garland, W. A. 539(1991)133
Fukuyama, T., see Nishi, H. 539(1991)71
Gallagher, K., see Hale, R. C. 539(1991)149
Gallice, P. M., Crevat, A. D. and Berland, Y. F. Scaling up in isolation of medium-size uraemic toxins 539(1991)449
Garland, W. A., Crews, T. and Fukuda, E. K. Effect of noise on peak heights calculated using an exponentially modified gaussian peak shape model 539(1991)133
Gasparrini, F., Misiti, D., Villani, C. and La Torre, F. Chromatographic resolution of 1,2-amino alcohols on a chiral stationary phase containing N,N'-(3,5-dinitrobenzoyl)-*trans*-1,2-diaminocyclohexane. Theoretical and practical aspects 539(1991)25
Gattoni, M., see Chiancone, E. 539(1991)455
Girot, P., see Hulak, I. 539(1991)355
Guillaume, J. L., see Dandeu, J. P. 539(1991)475
Guillén, M. D., see Blanco, C. G. 539(1991)157
Gundersen, J. L., see Hale, R. C. 539(1991)149
Hadas, E., see Solomon, B. 539(1991)335
Hale, R. C., Bush, E., Gallagher, K., Gundersen, J. L. and Mothershead, II, R. F. Separation of polychlorinated terphenyls from lipoidal material by preparative gel permeation chromatography and gas chromatography 539(1991)149
Hambling, S. G., see Lisseter, S. G. 539(1991)207
Harding, D. R. K., see Poll, D. J. 539(1991)37
Helboe, P., see Kryger, S. 539(1991)186
Herold, M. and Leistler, B. Unfolding of truncated and wild type aspartate aminotransferase studied by size-exclusion chromatography 539(1991)383
Herve, F., Duche, J.-C., Sportes, N. and Tillement, J.-P. High-performance anion-exchange chromatographic study of desialylated human α_1-acid glycoprotein variants. Development of a fractionation method for the protein slow variants 539(1991)405
Hidaka, T., see Suemitsu, R. 539(1991)211
Horiuchi, K., see Suemitsu, R. 539(1991)211
Horiuchi, M., see Suemitsu, R. 539(1991)211
Howell, J. A., see Ming, F. 539(1991)255
Hubble, J., see Mayes, A. G. 539(1991)245
Hubert, P., Mathis, R. and Dellacherie, E. Polymer ligands for mild hydrophobic interaction chromatography —principles, achievements and future trends (Review) 539(1991)297
Hughes, B., see Deistung, J. 539(1991)485
Huhtikangas, A., see Martinsen, A. 539(1991)232
Hulak, I., Nguyen, C., Girot, P. and Boschetti, E. Immobilized Cibacron Blue —leachables, support stability and toxicity on cultured cells 539(1991)355
Ishida, K., Ninomiya, S., Uchida, Y. and Osawa, M. Thin-layer chromatographic behaviour and separation of zirconium(IV) and hafnium (IV) on silica gel in mineral acid–hydrogen peroxide media 539(1991)169
Jacquot-Dourges, M. A., Zhou, F. L., Muller, D. and Jozefonvicz, J. Affinity chromatography of fibroblast growth factors on coated silica supports grafted with heparin 539(1991)417
Jozefonvicz, J., see Jacquot-Dourges, M. A. 539(1991)417
Jozefonvicz, J., see Sinniger, V. 539(1991)289
Katsumata, Y., see Moore, C. M. 539(1991)215
Kingaby, R. O., see Deistung, J. 539(1991)485
Koppel, R., see Solomon, B. 539(1991)335

Kopperschläger, G., see Birkenmeier, G. 539(1991)267
Krstulovic, A. M., see Lee, C. R. 539(1991)55
Krull, I. S., see Stuting, H. H. 539(1991)91
Kryger, S. and Helboe, P.
Determination of impurities in dextropropoxyphene hydrochloride by high-performance liquid chromatography on dynamically modified silica 539(1991)186
Kula, M.-R., see Champluvier, B. 539(1991)315
Kumamaru, T., see Okamoto, Y. 539(1991)221
La Torre, F., see Gasparrini, F. 539(1991)25
Latruffe, N., see Adami, P. 539(1991)279
Lee, C. R., Porziemsky, J.-P., Aubert, M.-C. and Krstulovic, A. M.
Liquid and high-pressure carbon dioxide chromatography of β-blockers. Resolution of the enantiomers of nadolol 539(1991)55
Lee, S. H., see Armstrong, D. W. 539(1991)83
Leistler, B., see Herold, M. 539(1991)383
Leon-Gonzalez, M. E. and Townshend, A.
Determination of organophosphorus and carbamate pesticide standards by liquid chromatography with detection by inhibition of immobilized acetylcholinesterase 539(1991)47
Lepoivre, M., see Chenais, B. 539(1991)433
Li, Y., see Amati, D. 539(1991)237
Liautard, J.-P., see Ferraz, C. 539(1991)465
Lippoli, G., see Pace, M. 539(1991)517
Lisseter, S. G. and Hambling, S. G.
Chiral high-performance liquid chromatography of synthetic pyrethroid insecticides 539(1991)207
Liu, T.-Y. and Robbat, Jr., A.
High-performance liquid chromatography retention index and detection of nitrated polycyclic aromatic hydrocarbons 539(1991)1
Lux, M., see Dandeu, J. P. 539(1991)475
Magnin, P., see Makki, S. 539(1991)443
Makki, S., Muret, P., Renaud, A., Agache, P. and Magnin, P.
Simple equilibrium dialysis–high-performance liquid chromatographic method for the *in vitro* assessment of 5-methoxypsoralen bound to human albumin 539(1991)443
Manjini, S., see Müller-Schulte, D. 539(1991)307
Marcišauskas, R., see Markauskas, A. 539(1991)525
Markauskas, A., Tiknius, V. and Marcišauskas, R.
Use of immobilized triazine dyes in the purification of DNA topoisomerase I (Topo I) and terminal deoxynucleotidyl transferase (TdT) from calf thymus 539(1991)525
Martinsen, A. and Huhtikangas, A.
Gas chromatographic analysis of tropic, benzoic and cinnamic acids, biosynthetic tropane alkaloid precursors 539(1991)232
Mathis, R., see Hubert, P. 539(1991)297
Mauri, P. L., see Pace, M. 539(1991)517
Maurizis, J. C., see Bernard, D. 539(1991)511
Mayes, A. G., Hubble, J. and Eisenthal, R.
Investigation of liquid phase cooperative binding interactions on the capacity of insoluble affinity adsorbents 539(1991)245
Menozzi, F. D., see Planques, Y. 539(1991)531
Mihara, M., see Shimizu, T. 539(1991)193
Ming, F. and Howell, J. A.
Kinetic behaviour of a novel matrix ion exchanger, carboxymethyl-HVFM operated at high flow-rate 539(1991)255
Misiti, D., see Gasparrini, F. 539(1991)25
Moore, C. M., Sato, K. and Katsumata, Y.
High-performance liquid chromatographic determination of cephalosporin antibiotics using 0.3 mm I.D. columns 539(1991)215
Moreno, O., see Nolasco, H. 539(1991)198
Mothershead, II, R. F., see Hale, R. C. 539(1991)149
Mouret, J.-F., see Polverelli, M. 539(1991)373
Moyret, C., see Bernard, D. 539(1991)511
Muller, D., see Jacquot-Dourges, M. A. 539(1991)417
Muller, D., see Sinniger, V. 539(1991)289
Müller-Schulte, D., Manjini, S. and Vijayalakshmi, M. A.
Comparative affinity chromatographic studies using novel grafted polyamide and poly(vinyl alcohol) media 539(1991)307
Muret, P., see Makki, S. 539(1991)443
Nasser, B., see Adami, P. 539(1991)279
Nguyen, C., see Hulak, I. 539(1991)355
Nielsen, R. G., Rickard, E. C., Santa, P. F., Sharknas, D. A. and Sittampalam, G. S.
Separation of antibody–antigen complexes by capillary zone electrophoresis, isoelectric focusing and high-performance size-exclusion chromatography 539(1991)177
Ninomiya, S., see Ishida, K. 539(1991)169
Nishi, H., Fujimura, N., Yamaguchi, H. and Fukuyama, T.
Reversed-phase high-performance liquid chromatographic separation of the enantiomers of trimetoquinol hydrochloride by derivatization with 2,3,4,6-tetra-O-acetyl-β-D-glucopyranosyl isothiocyanate and application to the optical purity testing of drugs 539(1991)71

Nolasco, H. and Moreno, O.
Rapid detection and quantification of peroxidase activity in liquid chromatography 539(1991)198
O'Connell, J. P., see Deistung, J. 539(1991)485
Odin, F., see Polverelli, M. 539(1991)373
Ohashi, H., Uehara, N. and Shijo, Y.
Simultaneous determination of molybdenum, vanadium, gallium, copper, iron and indium as 8-quinolinolate complexes by high-performance liquid chromatography 539(1991)225
Ohnishi, K., see Suemitsu, R. 539(1991)211
Okamoto, Y., Sakamoto, N., Yamamoto, M. and Kumamaru, T.
Electrodialysis pretreatment system for ion chromatography of strongly acidic samples and its application to the determination of magnesium and calcium 539(1991)221
Osawa, M., see Ishida, K. 539(1991)169
Pace, M., Agnellini, D., Lippoli, G., Pietta, P. G., Mauri, P. L. and Cinquanta, S.
Purification of NAD glycohydrolase from *Neurospora crassa* conidia by a polyclonal immunoadsorbent 539(1991)517
Pelissier, J. P., see Scanff, P. 539(1991)425
Pfundstein, B., Tricker, A. R. and Preussmann, R.
Determination of primary and secondary amines in foodstuffs using gas chromatography and chemiluminescence detection with a modified thermal energy analyser 539(1991)141
Pietta, P. G., see Pace, M. 539(1991)517
Planques, Y., Pora, H. and Menozzi, F. D.
Affinity purification of plasminogen by radial-flow affinity chromatography 539(1991)531
Poll, D. J. and Harding, D. R. K.
Column-friendly reversed-phase high-performance liquid chromatography of peptides and proteins using formic acid with sodium chloride and dynamic column coating with crown ethers 539(1991)37
Polverelli, M., Voituriez, L., Odin, F., Mouret, J.-F. and Cadet, J.
Purification of DNA and group separation of normal and modified DNA components by size-exclusion chromatography 539(1991)373
Poppi, R. J., see Faigle, J. F. 539(1991)123
Pora, H., see Planques, Y. 539(1991)531
Porziemsky, J.-P., see Lee, C. R. 539(1991)55
Preussmann, R., see Pfundstein, B. 539(1991)141
Proudfoot, K. A., see Deistung, J. 539(1991)485
Rabillon, J., see Dandeu, J. P. 539(1991)475
Reid, D. G., see Sweeney, P. J. 539(1991)501
Renaud, A., see Makki, S. 539(1991)443
Rickard, E. C., see Nielsen, R. G. 539(1991)177
Robbat, Jr., A., see Liu, T.-Y. 539(1991)1
Sakamoto, N., see Okamoto, Y. 539(1991)221
Santa, P. F., see Nielsen, R. G. 539(1991)177
Sato, K., see Moore, C. M. 539(1991)215
Scanff, P., Yvon, M. and Pelissier, J. P.
Immobilized Fe^{3+} affinity chromatographic isolation of phosphopeptides 539(1991)425
Scarminio, I. S., see Faigle, J. F. 539(1991)123
Schreiber, J.-P., see Cachia, C. 539(1991)343
Schwartz, F., see Solomon, B. 539(1991)335
Sharknas, D. A., see Nielsen, R. G. 539(1991)177
Shijo, Y., see Ohashi, H. 539(1991)225
Shimizu, T., Mihara, M. and Takeda, N.
High-performance liquid chromatography of biogenic amines in the corpus cardiacum of the American cockroach, *Periplaneta americana* 539(1991)193
Sinniger, V., Tapon-Bretaudière, J., Zhou, F. L., Bros, A., Muller, D., Jozefonvicz, J. and Fischer, A. M.
Immobilization of dermatan sulphate on a silica matrix and its possible use as an affinity chromatography support for heparin cofactor II purification 539(1991)289
Sittampalam, G. S., see Nielsen, R. G. 539(1991)177
Solomon, B., Hadas, E., Koppel, R., Schwartz, F. and Fleminger, G.
Highly active enzyme preparations immobilized via matrix-conjugated anti-Fc antibodies 539(1991)335
Sportes, N., see Herve, F. 539(1991)405
Sri Widada, J., see Ferraz, C. 539(1991)465
Stigbrand, T., see Birkenmeier, G. 539(1991)267
Stuting, H. H. and Krull, I. S.
Determination of pituitary and recombinant human growth hormone molecular weights by modern high-performance liquid chromatography with low angle laser light scattering detection 539(1991)91
Suemitsu, R., Horiuchi, K., Ohnishi, K., Hidaka, T. and Horiuchi, M.
High-performance liquid chromatographic determination of tentoxin in fermentation of *Alternaria porri* (Ellis) Ciferri 539(1991)211
Sweeney, P. J., Walker, J. M., Reid, D. G. and Elshourbagy, N.
Purification of cloned trypanosomal calmodulin and preliminary NMR studies 539(1991)501
Takeda, N., see Shimizu, T. 539(1991)193
Tapon-Bretaudière, J., see Sinniger, V. 539(1991)289
Tardy, M., see Uhlrich, S. 539(1991)393

Tayot, J.-L., see Uhlrich, S. 539(1991)393
Tenu, J. P., see Chenais, B. 539(1991)433
Tiknius, V., see Markauskas, A. 539(1991)525
Tillement, J.-P., see Herve, F. 539(1991)405
Tiollier, J., see Uhlrich, S. 539(1991)393
Toulon, P., Chadeuf, G. and Aiach, M.
Purification of heparin cofactor II from human plasma 539(1991)493
Townshend, A., see Leon-Gonzalez, M. E. 539(1991)47
Tricker, A. R., see Pfundstein, B. 539(1991)141
Uchida, Y., see Ishida, K. 539(1991)169
Uehara, N., see Ohashi, H. 539(1991)225
Uhlrich, S., Tiollier, J., Tardy, M. and Tayot, J.-L.
Isolation and characterization of two different molecular forms of basic fibroblast growth factor extracted from human placental tissue 539(1991)393
Vijayalakshmi, M. A., see Birkenmeier, G. 539(1991)267
Vijayalakshmi, M. A., see Müller-Schulte, D. 539(1991)307
Villani, C., see Gasparrini, F. 539(1991)25
Voituriez, L., see Pölverelli, M. 539(1991)373
Wal, J. M., see Yvon, M. 539(1991)363
Walker, J. M., see Sweeney, P. J. 539(1991)501
West, R. R. and Cardellina, II, J. H.
Semi-preparative separation of polyhydroxylated sterols using a β-cyclodextrin high-performance liquid chromatography column 539(1991)15
Willenbrock, F., see Deistung, J. 539(1991)485
Yamaguchi, H., see Nishi, H. 539(1991)71
Yamamoto, M., see Okamoto, Y. 539(1991)221
Yapo, A., see Chenais, B. 539(1991)433
Yvon, M. and Wal, J. M.
Tandem immunoaffinity and reversed-phase high-performance liquid chromatography for the identification of the specific binding sites of a hapten on a proteic carrier 539(1991)363
Yvon, M., see Scanff, P. 539(1991)425
Zhou, F. L., see Jacquot-Dourges, M. A. 539(1991)417
Zhou, F. L., see Sinniger, V. 539(1991)289